OIPE

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         RAW SEQUENCE LISTING              DATE: 11/09/2001
         PATENT APPLICATION:  US/09/842,316    TIME: 07:39:24

         Input Set : A:\Kostenis.txt
         Output Set: N:\CRF3\11092001\I842316.raw

 3 <110> APPLICANT: KOSTENSIS, Eva
 4         GASSENHUBER, Johann
 6 <120> TITLE OF INVENTION: EDG8 RECEPTOR, ITS PREPARATION AND USE
 8 <130> FILE REFERENCE: 38005-147
10 <140> CURRENT APPLICATION NUMBER: US 09/842,316
11 <141> CURRENT FILING DATE: 2001-04-26
13 <150> PRIOR APPLICATION NUMBER: EP 116589.3
14 <151> PRIOR FILING DATE: 2000-08-01
16 <150> PRIOR APPLICATION NUMBER: EP 108858.2
17 <151> PRIOR FILING DATE: 2000-04-26
19 <160> NUMBER OF SEQ ID NOS: 9
21 <170> SOFTWARE: PatentIn version 3.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 1197
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
28 <220> FEATURE:
29 <221> NAME/KEY: CDS
30 <222> LOCATION: (1)..(1194)
31 <223> OTHER INFORMATION:
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35 atg gag tcg ggg ctg ctg cgg ccg gcg ccg gtg agc gag gtc atc gtc        48
36 Met Glu Ser Gly Leu Leu Arg Pro Ala Pro Val Ser Glu Val Ile Val
37 1               5                   10                  15
39 ctg cat tac aac tac acc ggc aag ctc cgc ggt gcg cgc tac cag ccg        96
40 Leu His Tyr Asn Tyr Thr Gly Lys Leu Arg Gly Ala Arg Tyr Gln Pro
41             20                  25                  30
43 ggt gcc ggc ctg cgc gcc gac gcc gtg gtg tgc ctg gcg gtg tgc gcc       144
44 Gly Ala Gly Leu Arg Ala Asp Ala Val Val Cys Leu Ala Val Cys Ala
45         35                  40                  45
47 ttc atc gtg cta gag aat cta gcc gtg ttg ttg gtg ctc gga cgc cac       192
48 Phe Ile Val Leu Glu Asn Leu Ala Val Leu Leu Val Leu Gly Arg His
49     50                  55                  60
51 ccg cgc ttc cac gct ccc atg ttc ctg ctc ctg ggc agc ctc acg ttg       240
52 Pro Arg Phe His Ala Pro Met Phe Leu Leu Leu Gly Ser Leu Thr Leu
53 65                  70                  75                  80
55 tcg gat ctg ctg gca ggc gcc gcc tac gcc gcc aac atc cta ctg tcg       288
56 Ser Asp Leu Leu Ala Gly Ala Ala Tyr Ala Ala Asn Ile Leu Leu Ser
57                 85                  90                  95
59 ggg ccg ctc acg ctg aaa ctg tcc ccc gcg ctc tgg ttc gca cgg gag       336
60 Gly Pro Leu Thr Leu Lys Leu Ser Pro Ala Leu Trp Phe Ala Arg Glu
61             100                 105                 110
63 gga ggc gtc ttc gtg gca ctc act gcg tcc gtg ctg agc ctc ctg gcc       384
64 Gly Gly Val Phe Val Ala Leu Thr Ala Ser Val Leu Ser Leu Leu Ala
65         115                 120                 125
67 atc gcg ctg gag cgc agc ctc acc atg gcg cgc agg ggg ccc gcg ccc       432
68 Ile Ala Leu Glu Arg Ser Leu Thr Met Ala Arg Arg Gly Pro Ala Pro
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69      130               135                140
71 gtc tcc agt cgg ggg cgc acg ctg gcg atg gca gcc gcg gcc tgg ggc      480
72 Val Ser Ser Arg Gly Arg Thr Leu Ala Met Ala Ala Ala Ala Trp Gly
73 145               150                155               160
75 gtg tcg ctg ctc ctc ggg ctc ctg cca gcg ctg ggc tgg aat tgc ctg      528
76 Val Ser Leu Leu Leu Gly Leu Leu Pro Ala Leu Gly Trp Asn Cys Leu
77                   165                170                175
79 ggt cgc ctg gac gct tgc tcc act gtc ttg ccg ctc tac gcc aag gcc      576
80 Gly Arg Leu Asp Ala Cys Ser Thr Val Leu Pro Leu Tyr Ala Lys Ala
81                180                185                190
83 tac gtg ctc ttc tgc gtg ctc gcc ttc gtg ggc atc ctg gcc gct atc      624
84 Tyr Val Leu Phe Cys Val Leu Ala Phe Val Gly Ile Leu Ala Ala Ile
85             195                200                205
87 tgt gca ctc tac gcg cgc atc tac tgc cag gta cgc gcc aac gcg cgg      672
88 Cys Ala Leu Tyr Ala Arg Ile Tyr Cys Gln Val Arg Ala Asn Ala Arg
89      210                215                220
91 cgc ctg ccg gca cgg ccc ggg act gcg ggg acc acc tcg acc cgg gcg      720
92 Arg Leu Pro Ala Arg Pro Gly Thr Ala Gly Thr Thr Ser Thr Arg Ala
93 225               230                235               240
95 cgt cgc aag ccg cgc tcg ctg gcc ttg ctg cgc acg ctc agc gtg gtg      768
96 Arg Arg Lys Pro Arg Ser Leu Ala Leu Leu Arg Thr Leu Ser Val Val
97                245                250                255
99 ctc ctg gcc ttt gtg gca tgt tgg ggc ccc ctc ttc ctg ctg ctg ttg      816
100 Leu Leu Ala Phe Val Ala Cys Trp Gly Pro Leu Phe Leu Leu Leu Leu
101               260                265                270
103 ctc gac gtg gcg tgc ccg gcg cgc acc tgt cct gta ctc ctg cag gcc     864
104 Leu Asp Val Ala Cys Pro Ala Arg Thr Cys Pro Val Leu Leu Gln Ala
105          275                280                285
107 gat ccc ttc ctg gga ctg gcc atg gcc aac tca ctt ctg aac ccc atc     912
108 Asp Pro Phe Leu Gly Leu Ala Met Ala Asn Ser Leu Leu Asn Pro Ile
109      290                295                300
111 atc tac acg ctc acc aac cgc gac ctg cgc cac gcg ctc ctg cgc ctg     960
112 Ile Tyr Thr Leu Thr Asn Arg Asp Leu Arg His Ala Leu Leu Arg Leu
113 305               310                315               320
115 gtc tgc tgc gga cgc cac tcc tgc ggc aga gac ccg agt ggc tcc cag    1008
116 Val Cys Cys Gly Arg His Ser Cys Gly Arg Asp Pro Ser Gly Ser Gln
117               325                330                335
119 cag tcg gcg agc gcg gct gag gct tcc ggg ggc ctg cgc cgc tgc ctg    1056
120 Gln Ser Ala Ser Ala Ala Glu Ala Ser Gly Gly Leu Arg Arg Cys Leu
121          340                345                350
123 ccc ccg ggc ctt gat ggg agc ttc agc ggc tcg gag cgc tca tcg ccc    1104
124 Pro Pro Gly Leu Asp Gly Ser Phe Ser Gly Ser Glu Arg Ser Ser Pro
125          355                360                365
127 cag cgc gac ggg ctg gac acc agc ggc tcc aca ggc agc ccc ggt gca    1152
128 Gln Arg Asp Gly Leu Asp Thr Ser Gly Ser Thr Gly Ser Pro Gly Ala
129      370                375                380
131 ccc aca gcc gcc cgg act ctg gta tca gaa ccg gct gca gac tga       1197
132 Pro Thr Ala Ala Arg Thr Leu Val Ser Glu Pro Ala Ala Asp
133 385               390                395
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Input Set : A:\Kostenis.txt
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136 <210> SEQ ID NO: 2
137 <211> LENGTH: 398
138 <212> TYPE: PRT
139 <213> ORGANISM: Homo sapiens
141 <400> SEQUENCE: 2
143 Met Glu Ser Gly Leu Leu Arg Pro Ala Pro Val Ser Glu Val Ile Val
144 1               5                   10                  15
147 Leu His Tyr Asn Tyr Thr Gly Lys Leu Arg Gly Ala Arg Tyr Gln Pro
148             20                  25                  30
151 Gly Ala Gly Leu Arg Ala Asp Ala Val Val Cys Leu Ala Val Cys Ala
152         35                  40                  45
155 Phe Ile Val Leu Glu Asn Leu Ala Val Leu Leu Val Leu Gly Arg His
156     50                  55                  60
159 Pro Arg Phe His Ala Pro Met Phe Leu Leu Leu Gly Ser Leu Thr Leu
160 65                  70                  75                  80
163 Ser Asp Leu Leu Ala Gly Ala Ala Tyr Ala Ala Asn Ile Leu Leu Ser
164             85                  90                  95
167 Gly Pro Leu Thr Leu Lys Leu Ser Pro Ala Leu Trp Phe Ala Arg Glu
168             100                 105                 110
171 Gly Gly Val Phe Val Ala Leu Thr Ala Ser Val Leu Ser Leu Leu Ala
172         115                 120                 125
175 Ile Ala Leu Glu Arg Ser Leu Thr Met Ala Arg Arg Gly Pro Ala Pro
176     130                 135                 140
179 Val Ser Ser Arg Gly Arg Thr Leu Ala Met Ala Ala Ala Ala Trp Gly
180 145                 150                 155                 160
183 Val Ser Leu Leu Leu Gly Leu Leu Pro Ala Leu Gly Trp Asn Cys Leu
184             165                 170                 175
187 Gly Arg Leu Asp Ala Cys Ser Thr Val Leu Pro Leu Tyr Ala Lys Ala
188             180                 185                 190
191 Tyr Val Leu Phe Cys Val Leu Ala Phe Val Gly Ile Leu Ala Ala Ile
192         195                 200                 205
195 Cys Ala Leu Tyr Ala Arg Ile Tyr Cys Gln Val Arg Ala Asn Ala Arg
196     210                 215                 220
199 Arg Leu Pro Ala Arg Pro Gly Thr Ala Gly Thr Thr Ser Thr Arg Ala
200 225                 230                 235                 240
203 Arg Arg Lys Pro Arg Ser Leu Ala Leu Leu Arg Thr Leu Ser Val Val
204             245                 250                 255
207 Leu Leu Ala Phe Val Ala Cys Trp Gly Pro Leu Phe Leu Leu Leu Leu
208             260                 265                 270
211 Leu Asp Val Ala Cys Pro Ala Arg Thr Cys Pro Val Leu Leu Gln Ala
212         275                 280                 285
215 Asp Pro Phe Leu Gly Leu Ala Met Ala Asn Ser Leu Leu Asn Pro Ile
216     290                 295                 300
219 Ile Tyr Thr Leu Thr Asn Arg Asp Leu Arg His Ala Leu Leu Arg Leu
220 305                 310                 315                 320
223 Val Cys Cys Gly Arg His Ser Cys Gly Arg Asp Pro Ser Gly Ser Gln
224             325                 330                 335
227 Gln Ser Ala Ser Ala Ala Glu Ala Ser Gly Gly Leu Arg Arg Cys Leu
228             340                 345                 350
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PATENT APPLICATION: US/09/842,316   TIME: 07:39:24

Input Set : A:\Kostenis.txt
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```
231 Pro Pro Gly Leu Asp Gly Ser Phe Ser Gly Ser Glu Arg Ser Ser Pro
232         355             360             365
235 Gln Arg Asp Gly Leu Asp Thr Ser Gly Ser Thr Gly Ser Pro Gly Ala
236     370             375             380
239 Pro Thr Ala Ala Arg Thr Leu Val Ser Glu Pro Ala Ala Asp
240 385             390             395
243 <210> SEQ ID NO: 3
244 <211> LENGTH: 364
245 <212> TYPE: PRT
246 <213> ORGANISM: Homo sapiens
248 <400> SEQUENCE: 3
250 Met Ala Ala Ile Ser Thr Ser Ile Pro Val Ile Ser Gln Pro Gln Phe
251 1               5               10              15
254 Thr Ala Met Asn Glu Pro Gln Cys Phe Tyr Asn Glu Ser Ile Ala Phe
255         20              25              30
258 Phe Tyr Asn Arg Ser Gly Lys His Leu Ala Thr Glu Trp Asn Thr Val
259         35              40              45
262 Ser Lys Leu Val Met Gly Leu Gly Ile Thr Val Cys Ile Phe Ile Met
263     50              55              60
266 Leu Ala Asn Leu Leu Val Met Val Ala Ile Tyr Val Asn Arg Arg Phe
267 65              70              75              80
270 His Phe Pro Ile Tyr Tyr Leu Met Ala Asn Leu Ala Ala Ala Asp Phe
271             85              90              95
274 Phe Ala Gly Leu Ala Tyr Phe Tyr Leu Met Phe Asn Thr Gly Pro Asn
275             100             105             110
278 Thr Arg Arg Leu Thr Val Ser Thr Trp Leu Leu Arg Gln Gly Leu Ile
279         115             120             125
282 Asp Thr Ser Leu Thr Ala Ser Val Ala Asn Leu Leu Ala Ile Ala Ile
283     130             135             140
286 Glu Arg His Ile Thr Val Phe Arg Met Gln Leu His Thr Arg Met Ser
287 145             150             155             160
290 Asn Arg Arg Val Val Val Val Ile Val Val Ile Trp Thr Met Ala Ile
291             165             170             175
294 Val Met Gly Ala Ile Pro Ser Val Gly Trp Asn Cys Ile Cys Asp Ile
295             180             185             190
298 Glu Asn Cys Ser Asn Met Ala Pro Leu Tyr Ser Asp Ser Tyr Leu Val
299         195             200             205
302 Phe Trp Ala Ile Phe Asn Leu Val Thr Phe Val Val Met Val Val Leu
303     210             215             220
306 Tyr Ala His Ile Phe Gly Tyr Val Arg Gln Arg Thr Met Arg Met Ser
307 225             230             235             240
310 Arg His Ser Ser Gly Pro Arg Arg Asn Arg Asp Thr Met Met Ser Leu
311             245             250             255
314 Leu Lys Thr Val Val Ile Val Leu Gly Ala Phe Ile Ile Cys Trp Thr
315             260             265             270
318 Pro Gly Leu Val Leu Leu Leu Leu Asp Val Cys Cys Pro Gln Cys Asp
319         275             280             285
322 Val Leu Ala Tyr Glu Lys Phe Phe Leu Leu Leu Ala Glu Phe Asn Ser
323     290             295             300
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Input Set : A:\Kostenis.txt
Output Set: N:\CRF3\11092001\I842316.raw

```
326 Ala Met Asn Pro Ile Ile Tyr Ser Tyr Arg Asp Lys Glu Met Ser Ala
327 305                 310                 315                 320
330 Thr Phe Arg Gln Ile Leu Cys Cys Gln Arg Ser Glu Asn Pro Thr Gly
331                 325                 330                 335
334 Pro Thr Glu Ser Ser Asp Arg Ser Ala Ser Ser Leu Asn His Thr Ile
335                 340                 345                 350
338 Leu Ala Gly Val His Ser Asn Asp His Ser Val Val
339             355                 360
342 <210> SEQ ID NO: 4
343 <211> LENGTH: 353
344 <212> TYPE: PRT
345 <213> ORGANISM: Homo sapiens
347 <400> SEQUENCE: 4
349 Met Asn Glu Cys His Tyr Asp Lys His Met Asp Phe Phe Tyr Asn Arg
350 1               5                 10                  15
353 Ser Asn Thr Asp Thr Val Asp Asp Trp Thr Gly Thr Lys Leu Val Ile
354                 20                  25                  30
357 Val Leu Cys Val Gly Thr Phe Phe Cys Leu Phe Ile Phe Phe Ser Asn
358             35                  40                  45
361 Ser Leu Val Ile Ala Ala Val Ile Lys Asn Arg Lys Phe His Phe Pro
362     50                  55                  60
365 Phe Tyr Tyr Leu Leu Ala Asn Leu Ala Ala Ala Asp Phe Phe Ala Gly
366 65                  70                  75                  80
369 Ile Ala Tyr Val Phe Leu Met Phe Asn Thr Gly Pro Val Ser Lys Thr
370                 85                  90                  95
373 Leu Thr Val Asn Arg Trp Phe Leu Arg Gln Gly Leu Leu Asp Ser Ser
374                 100                 105                 110
377 Leu Thr Ala Ser Leu Thr Asn Leu Leu Val Ile Ala Val Glu Arg His
378             115                 120                 125
381 Met Ser Ile Met Arg Met Arg Val His Ser Asn Leu Thr Lys Lys Arg
382     130                 135                 140
385 Val Thr Leu Leu Ile Leu Leu Val Trp Ala Ile Ala Ile Phe Met Gly
386 145                 150                 155                 160
389 Ala Val Pro Thr Leu Gly Trp Asn Cys Leu Cys Asn Ile Ser Ala Cys
390                 165                 170                 175
393 Ser Ser Leu Ala Pro Ile Tyr Ser Arg Ser Tyr Leu Val Phe Trp Thr
394                 180                 185                 190
397 Val Ser Asn Leu Met Ala Phe Leu Ile Met Val Val Val Tyr Leu Arg
398             195                 200                 205
401 Ile Tyr Val Tyr Val Lys Arg Lys Thr Asn Val Leu Ser Pro His Thr
402     210                 215                 220
405 Ser Gly Ser Ile Ser Arg Arg Arg Thr Pro Met Lys Leu Met Lys Thr
406 225                 230                 235                 240
409 Val Met Thr Val Leu Gly Ala Phe Val Val Cys Trp Thr Pro Gly Leu
410                 245                 250                 255
413 Val Val Leu Leu Leu Asp Gly Leu Asn Cys Arg Gln Cys Gly Val Gln
414                 260                 265                 270
417 His Val Lys Arg Trp Phe Leu Leu Leu Ala Leu Leu Asn Ser Val Val
418             275                 280                 285
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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/842,316

DATE: 11/09/2001
TIME: 07:39:25

Input Set : A:\Kostenis.txt
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